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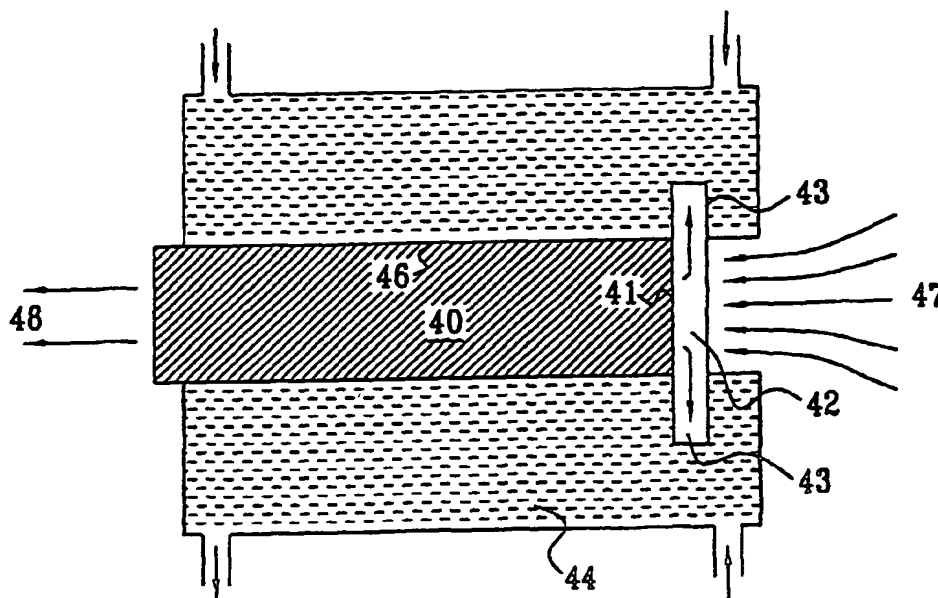
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- (71) Applicant (for all designated States except US): NUCLEAR RESEARCH CENTER [IL/IL]; Nahal Soreq, 81800 Yavne (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TZUK, Yitshak [IL/IL]; Ami 10, 76632 Rehovot (IL). TAL, Alon [IL/IL]; Hahagana 3, 45223 Hod Hasharon (IL). GLICK, Yaakov [IL/IL]; Shoham 66, 76227 Rehovot (IL). ISBI, Yuval [IL/IL]; Hanotea 21, 40500 Even Yehuda (IL).
- (74) Agent: KLEIN, David; Dekel Patent Ltd., Beit HaRof'im, 18 Menuha VeNahala Street, Room 27, 76209 Rehovot (IL).
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(54) Title: DIAMOND-COOLED SOLID-STATE LASER



(57) Abstract: A diode-pumped solid state laser, e.g., in a side-pumped or end-pumped configuration, including a lasing medium (30, 40, 62) comprising at least one surface (41) through which the laser is pumped, and at least one diamond plate (32, 42, 64) in thermal contact with the at least one surface (41). In an embodiment a plurality of segments of said lasing medium (62) are disposed in proximity to each other, and said at least one diamond plate (64) is disposed between two adjacent segments, and in thermal contact with said elements.